

FIG. 1

L

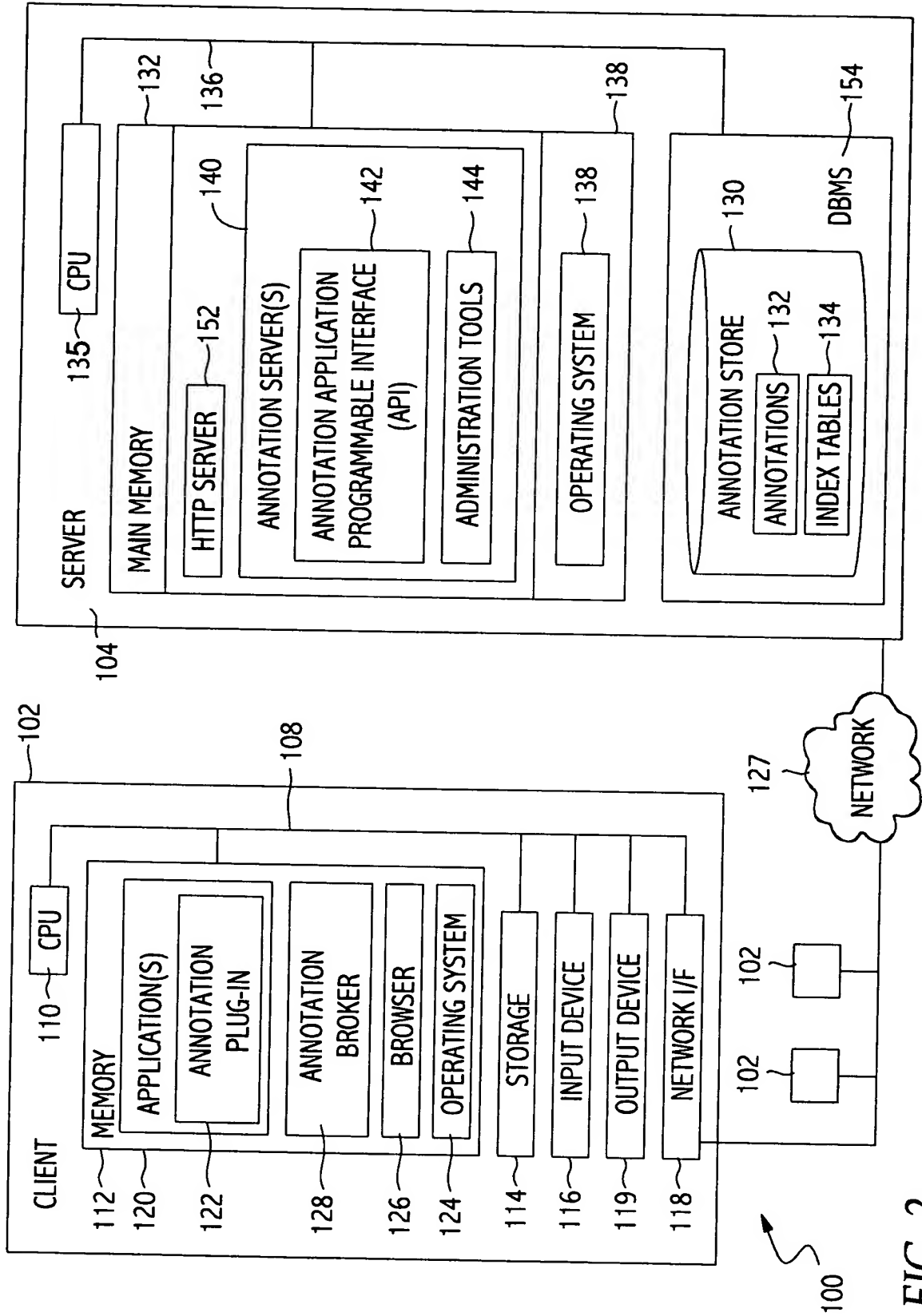


FIG. 2

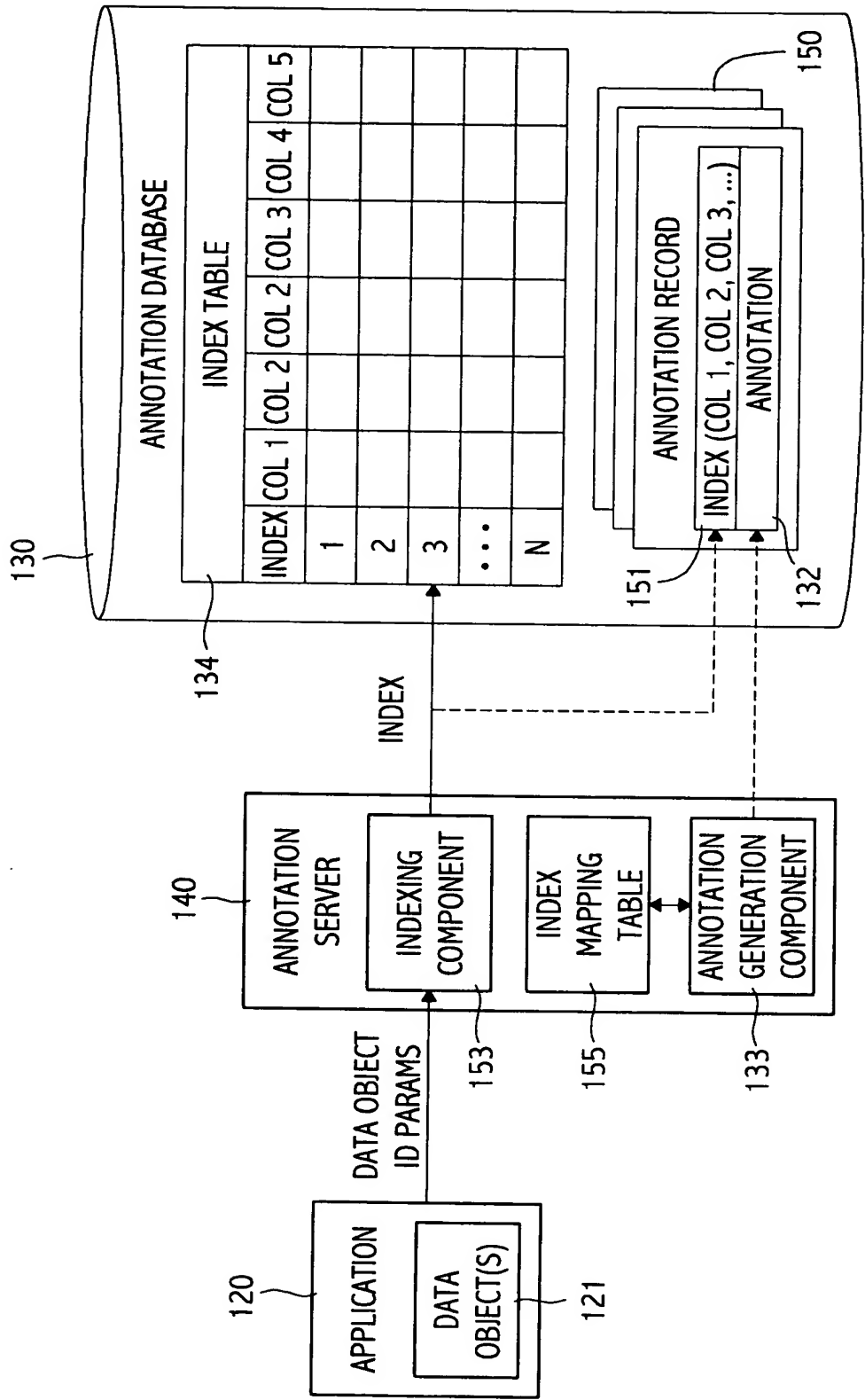


FIG. 3B

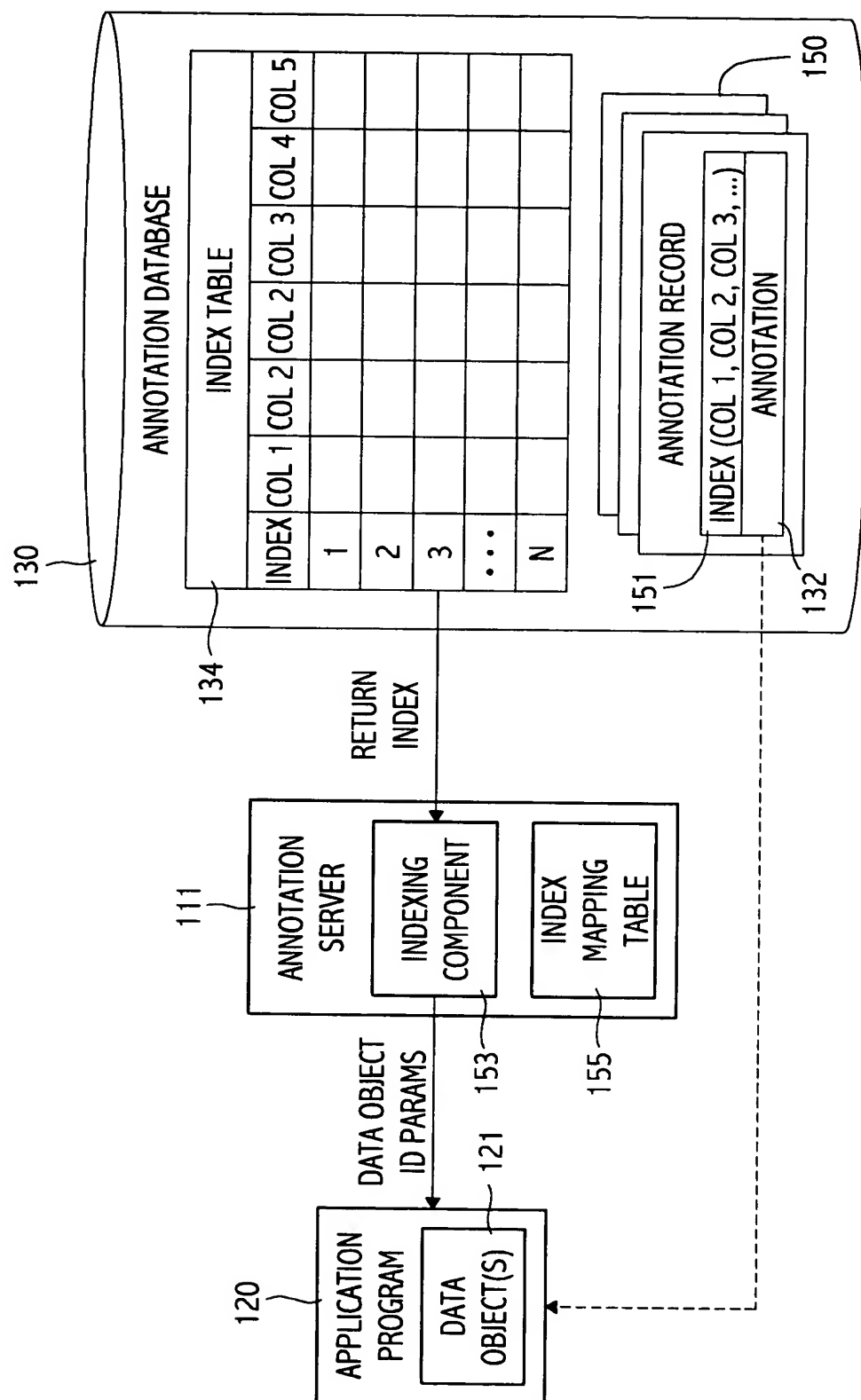



FIG. 3C



API FUNCTION	DESCRIPTION
QueryRoles	Get a list of roles for the user.
SetRole	Set the active set of roles for the session.
Query Structure Names	Given the data source type and subtype of the target documents and all of the points in those documents the use wants to annotate, return the list of available structures.
QueryStructureTransforms	Given an annotation type returned from QueryStructureNames API, return an array of URLs to XSL transforms.
QueryPoints	Given a GUID, and list of DataSourceVersions, return a list of data sources and the points in the data sources.
QueryAnnotationIDS	Given a list of search criteria, return an array of an annotation GUIDs that match the criteria.
GetAnnotation	Return the annotation data for a given GUID
CreateAnnotation	Create a new annotation with provided data and access control information
UpdateAnnotation	Replace specific fields in an annotation which results in a new version of the annotation
DeleteAnnotation	Delete (or hide) the specified annotation
AddPoint	Take an existing Annotation and add a new annotated point to it
DeletePoint	Delete a point from an annotation
QueryAllowedPointTypes	Return the allowed point types and subtypes given a data source type and subtype
QueryDataSourceSubtypes	Return the configured data source subtypes given a data source type

FIG. 3D

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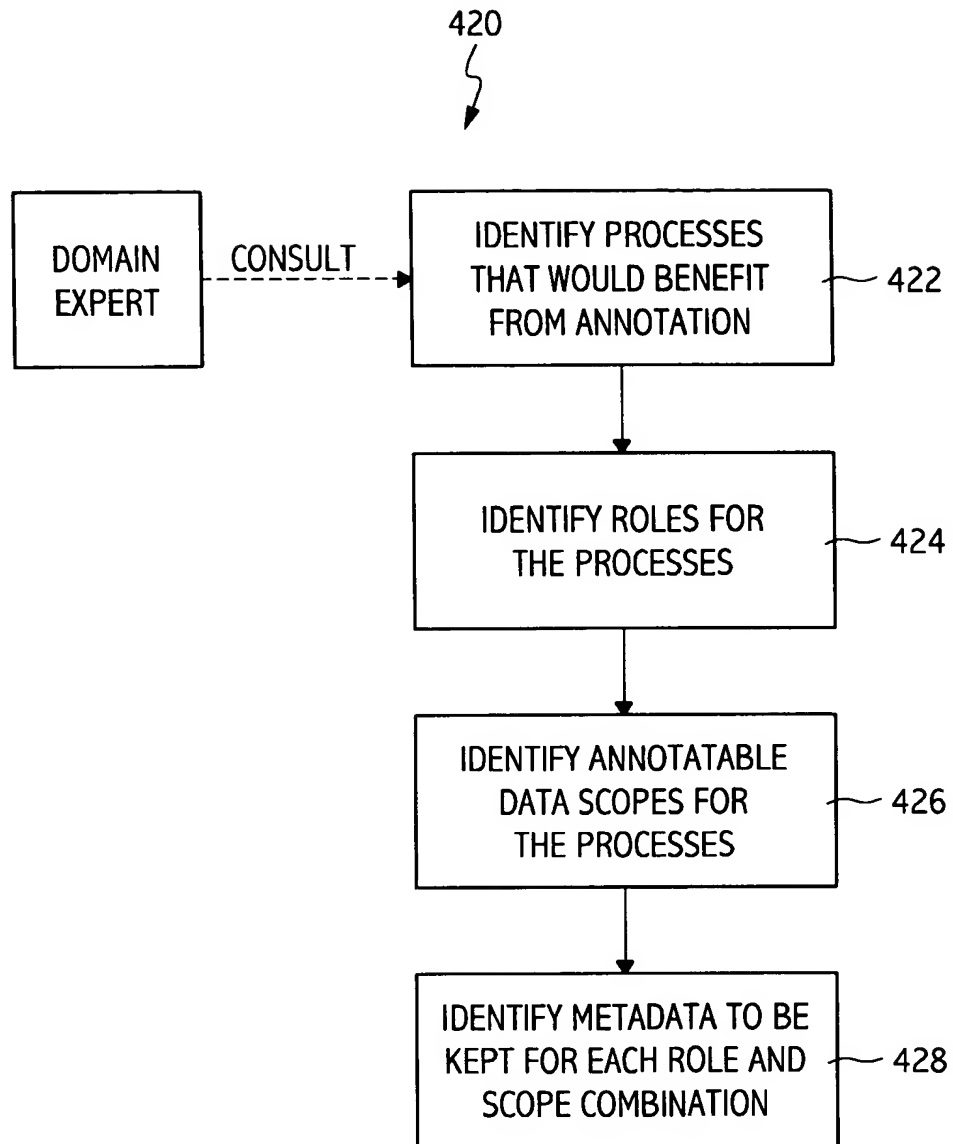


FIG. 4A

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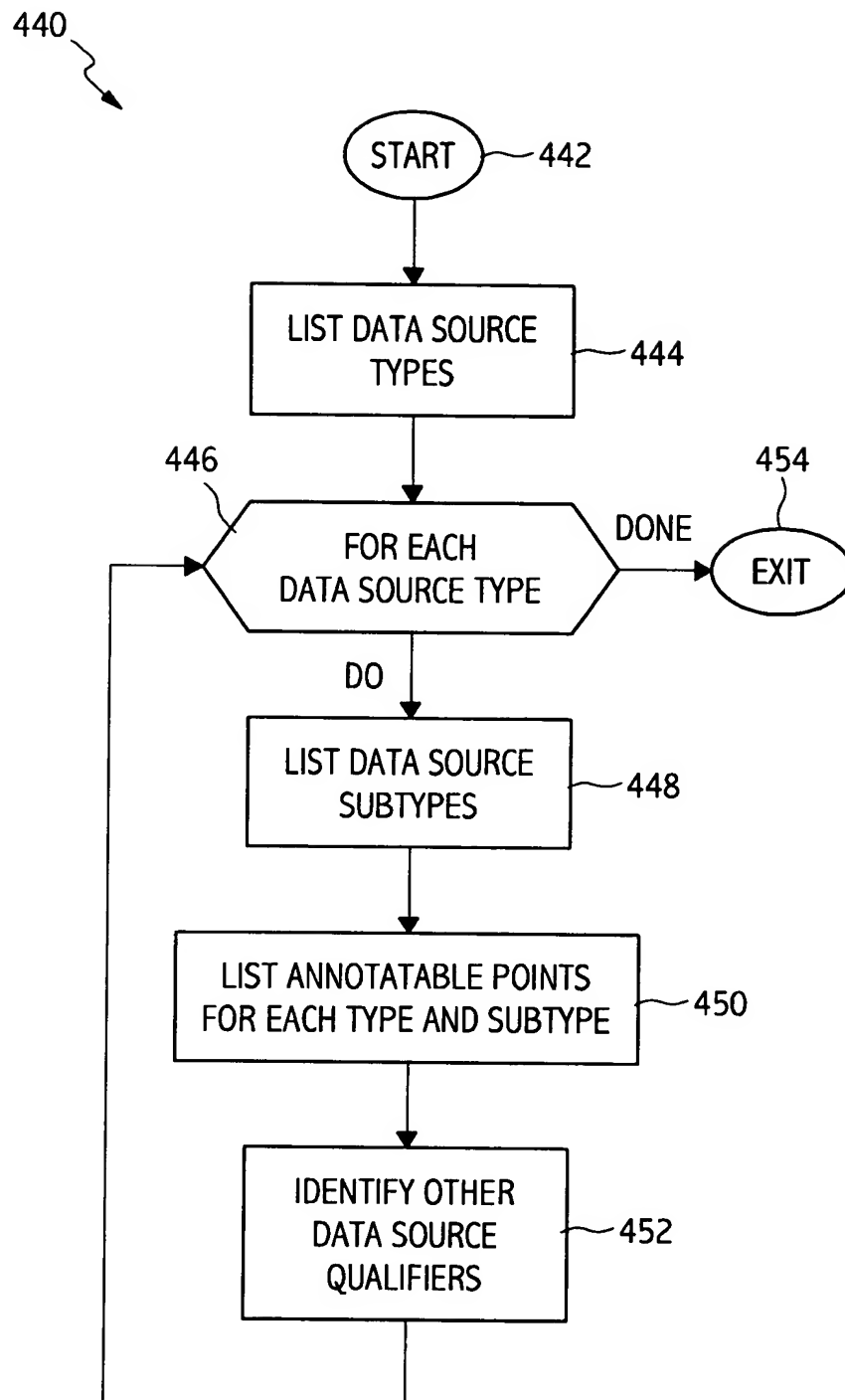


FIG. 4B

Data Source Type	Point Type	Meta Information
Relational (and Excel)	Table	Table Name
	Column	Table Name, Column Name
	Cell	Table Name, Key, Column Name
	Row	Table Name, Key
	Document	Path
Word Document/HTML file	Word Range	Path, Start character, End character
	Spot	Context, View, Marked Record, Column
	Cluster	Context, View, Marked Record, Column
	Row	Context, View, Marked Record
	Column	Context, View, Column
Pdf (requires Adobe Framemaker)	File	Context, View
	Text	Page, Start word, End word, Start of set, End of set
	Graphic	Page, Top, Left, Bottom, Right

FIG. 4C

460

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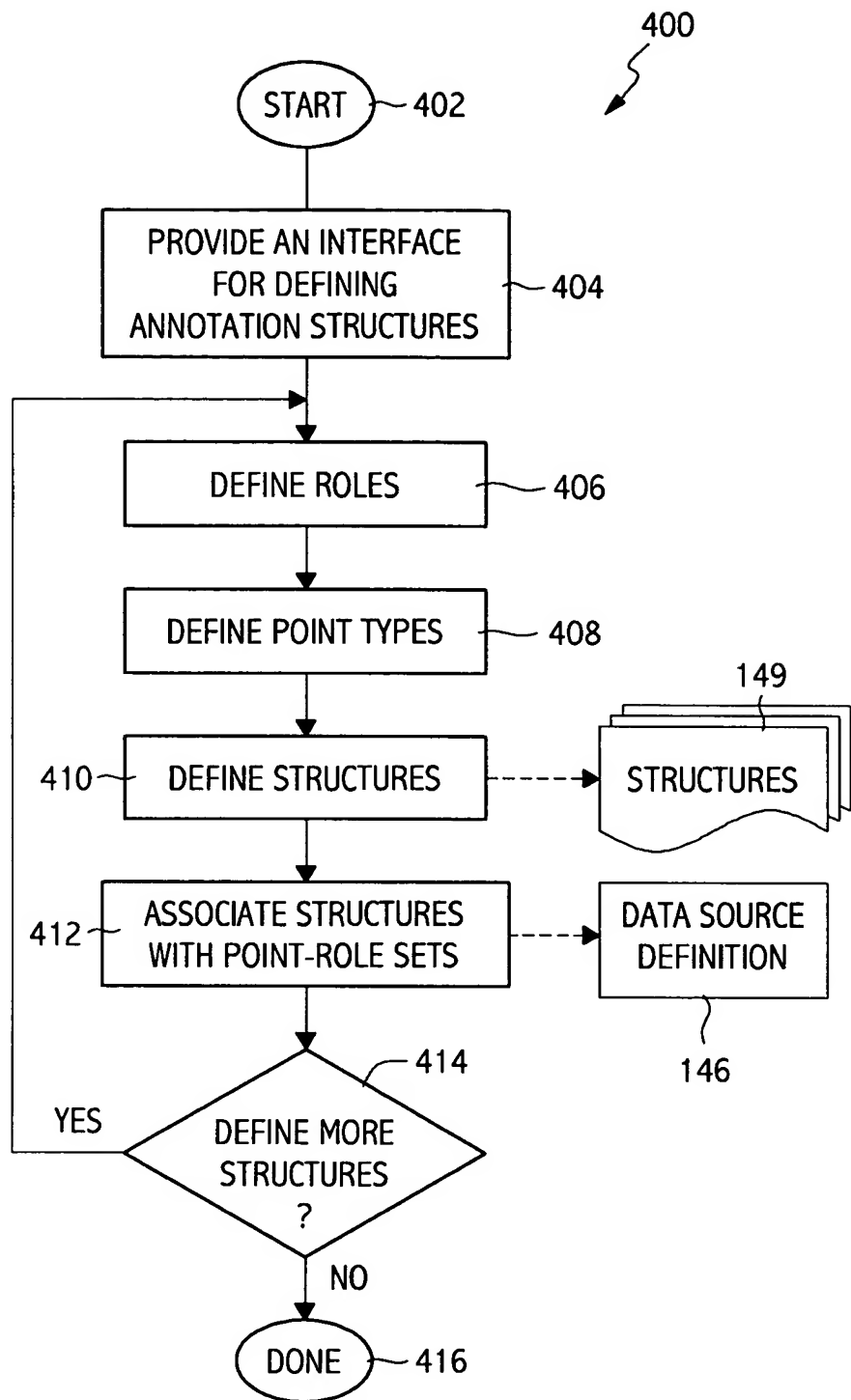


FIG. 4D

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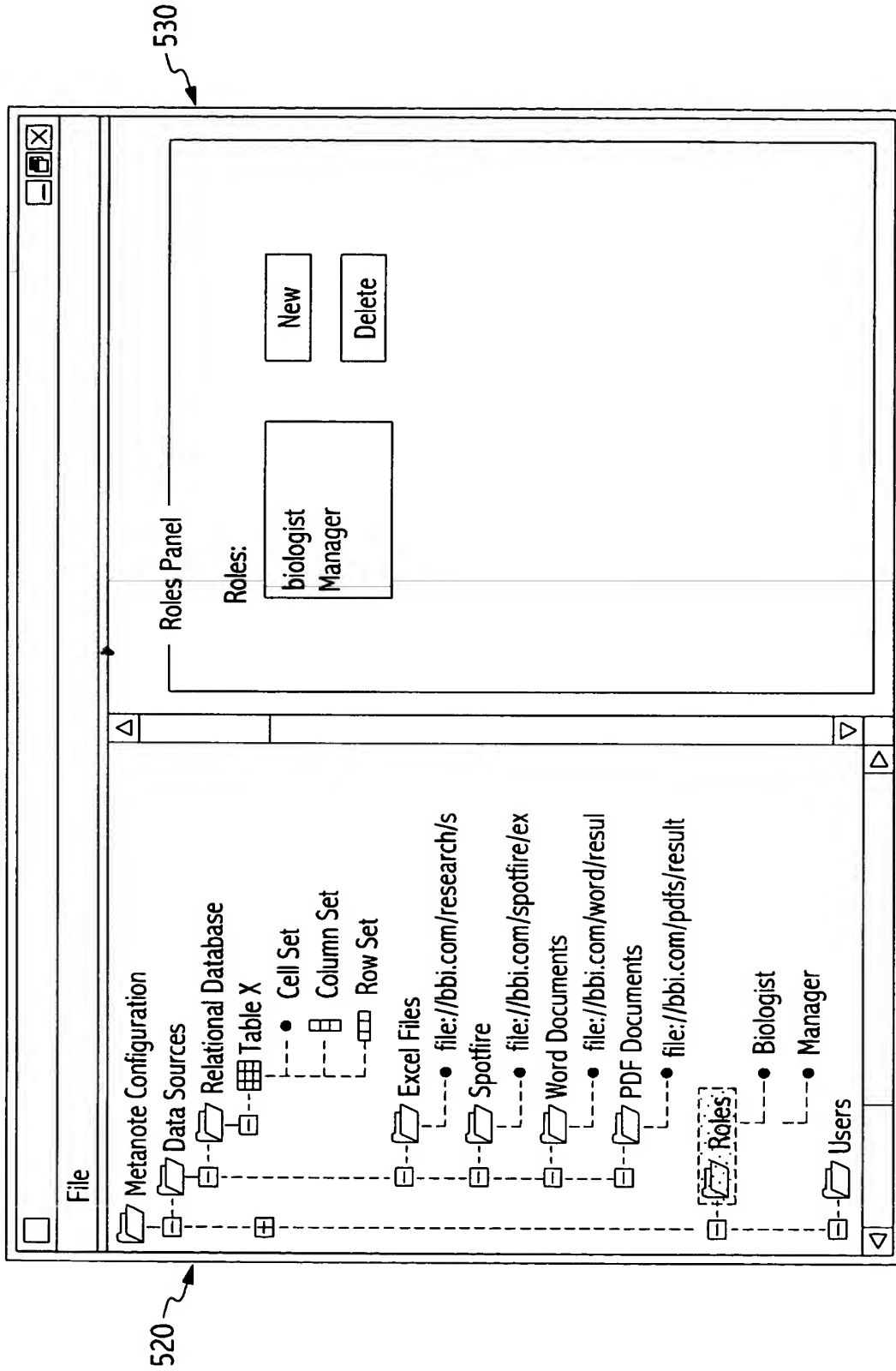


FIG. 5A

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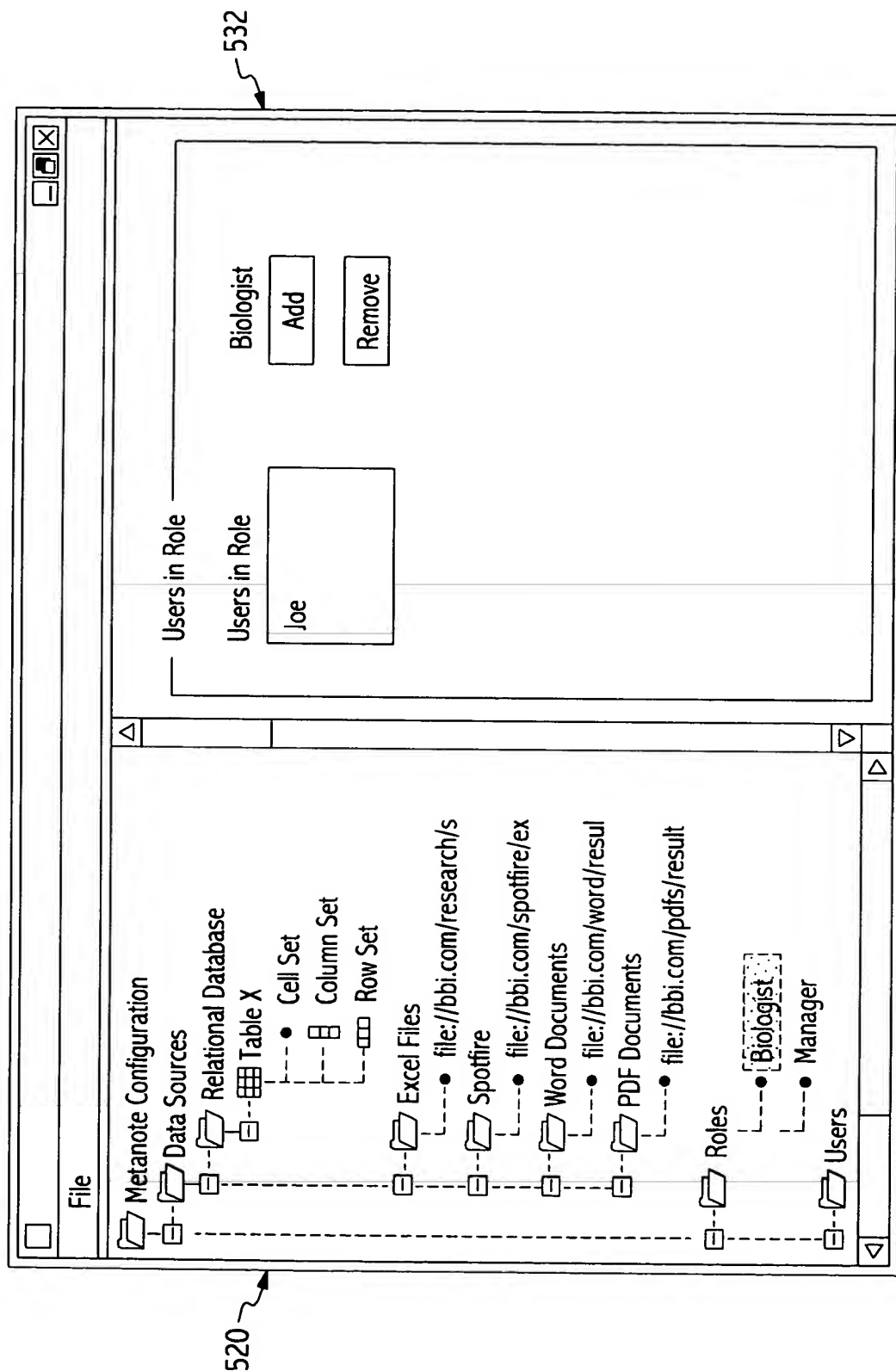


FIG. 5B

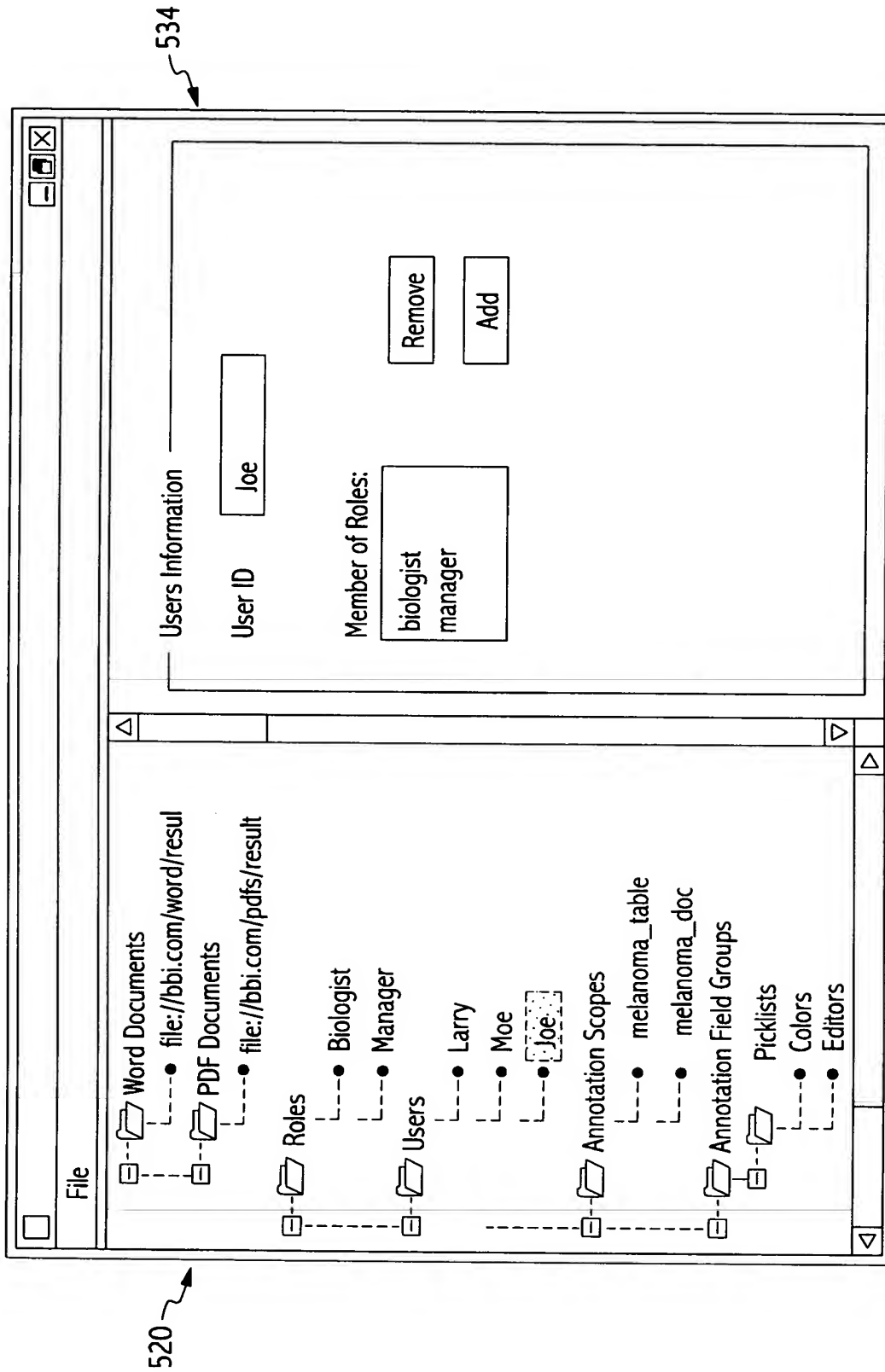


FIG. 5C

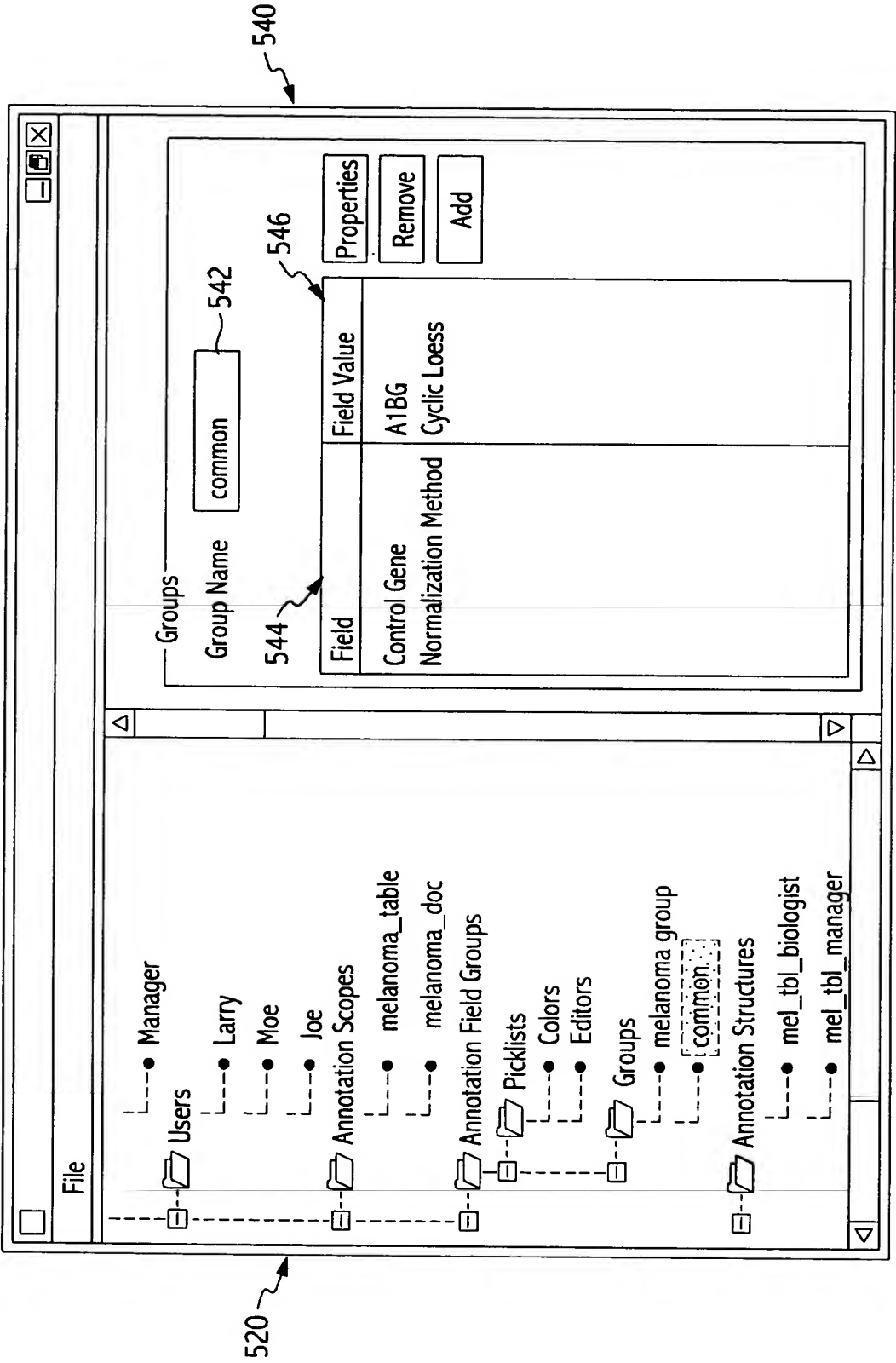


FIG. 5D

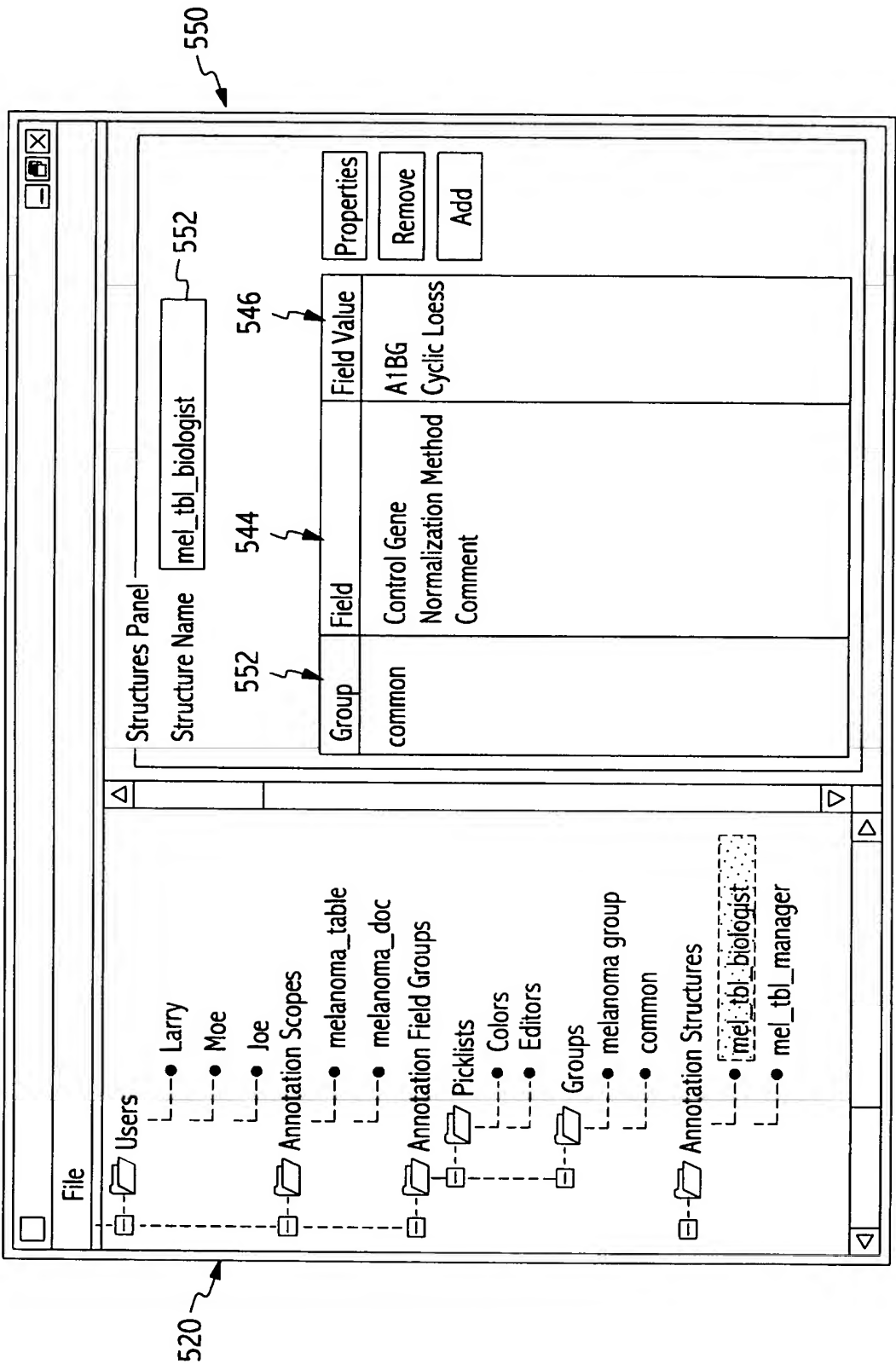


FIG. 5E

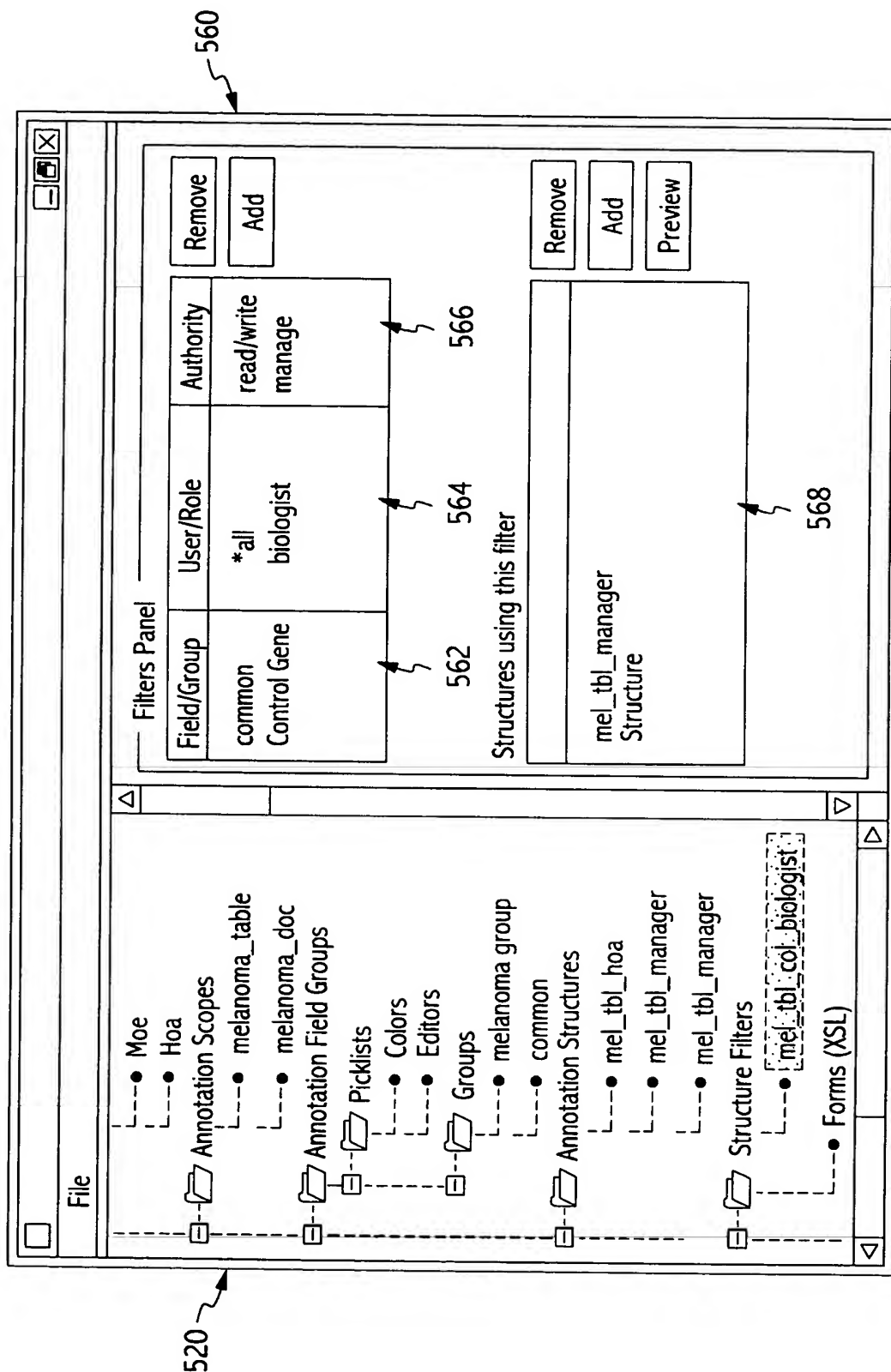


FIG. 5F

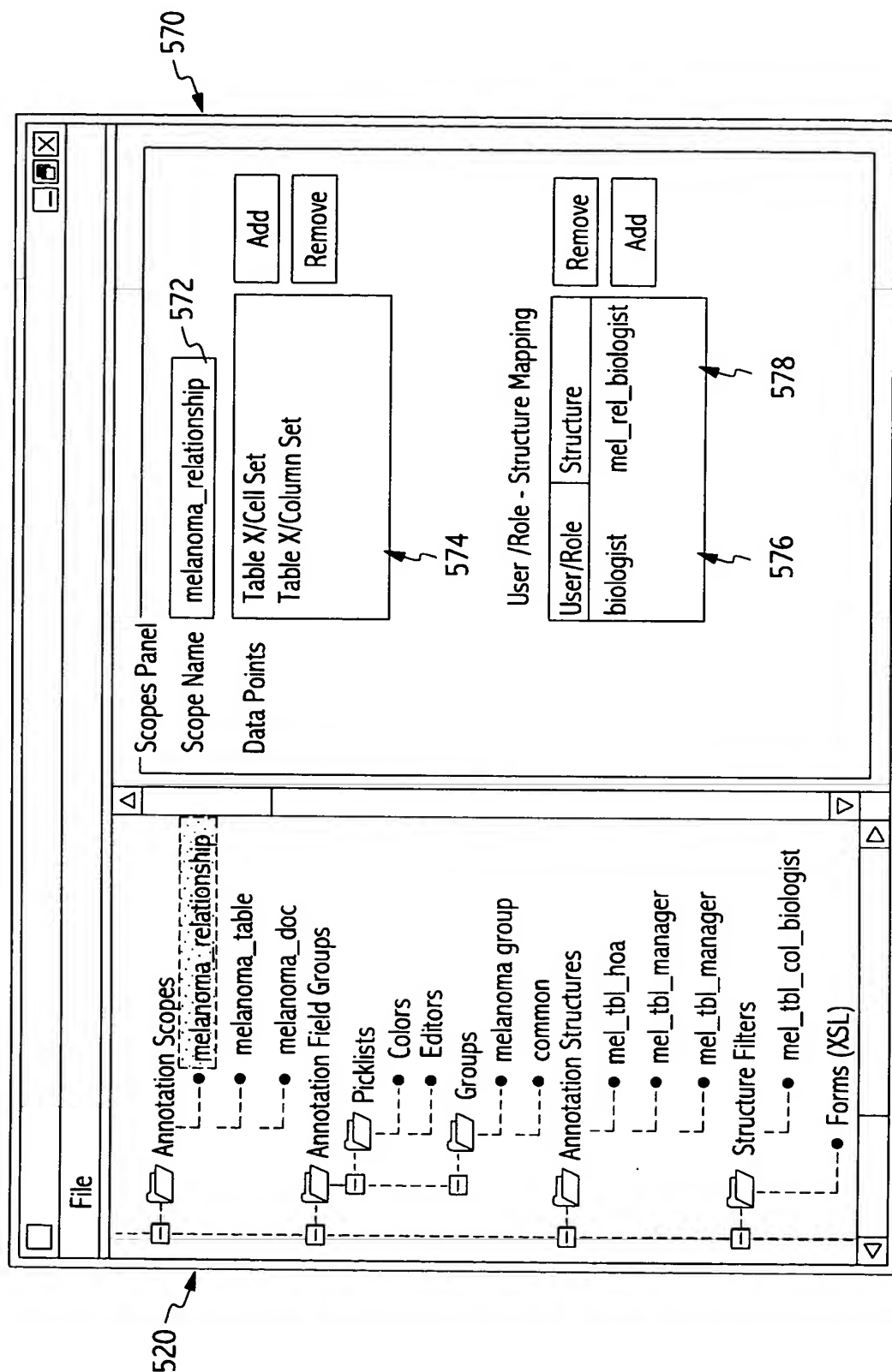


FIG. 5G

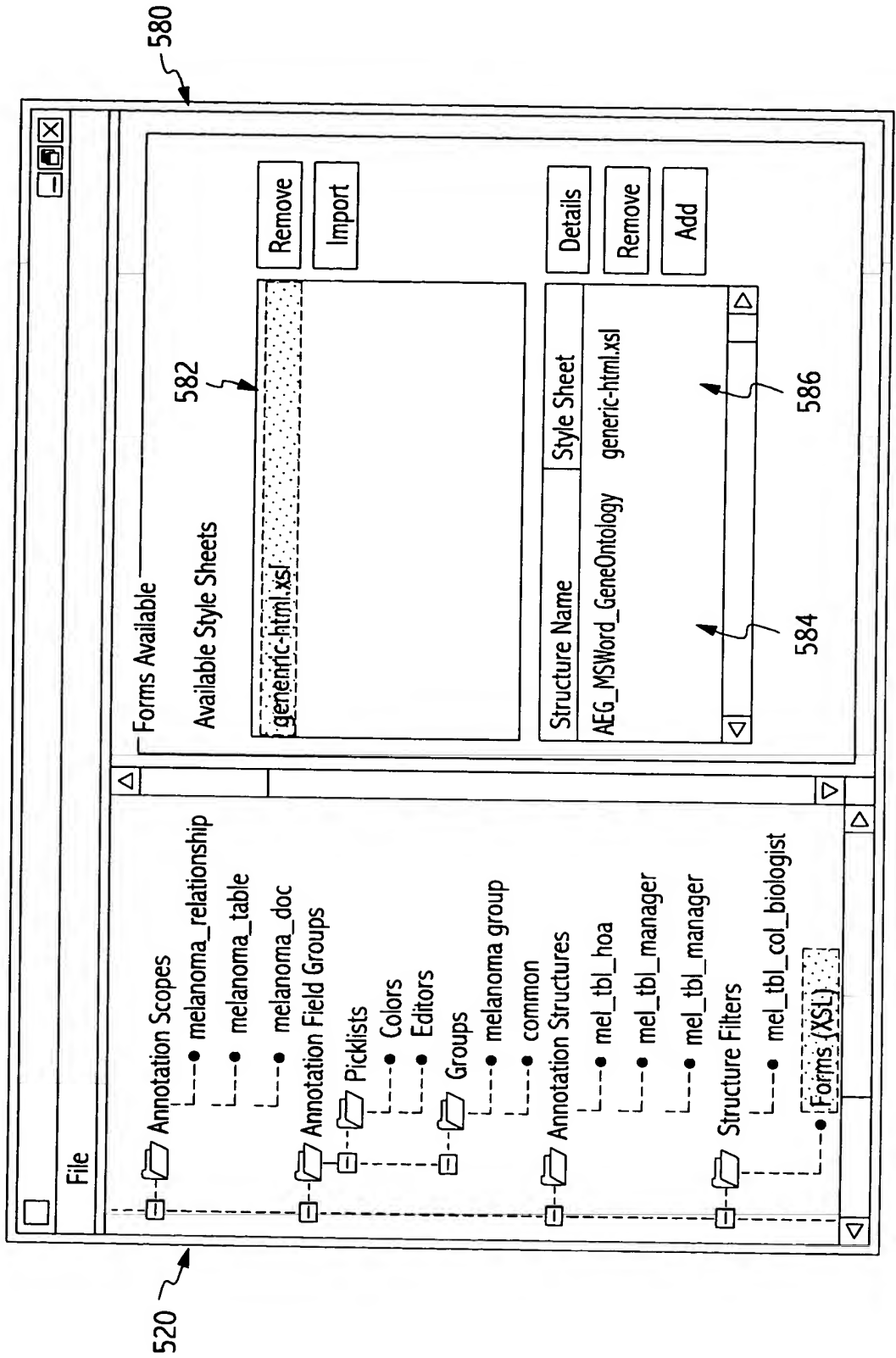


FIG. 5H

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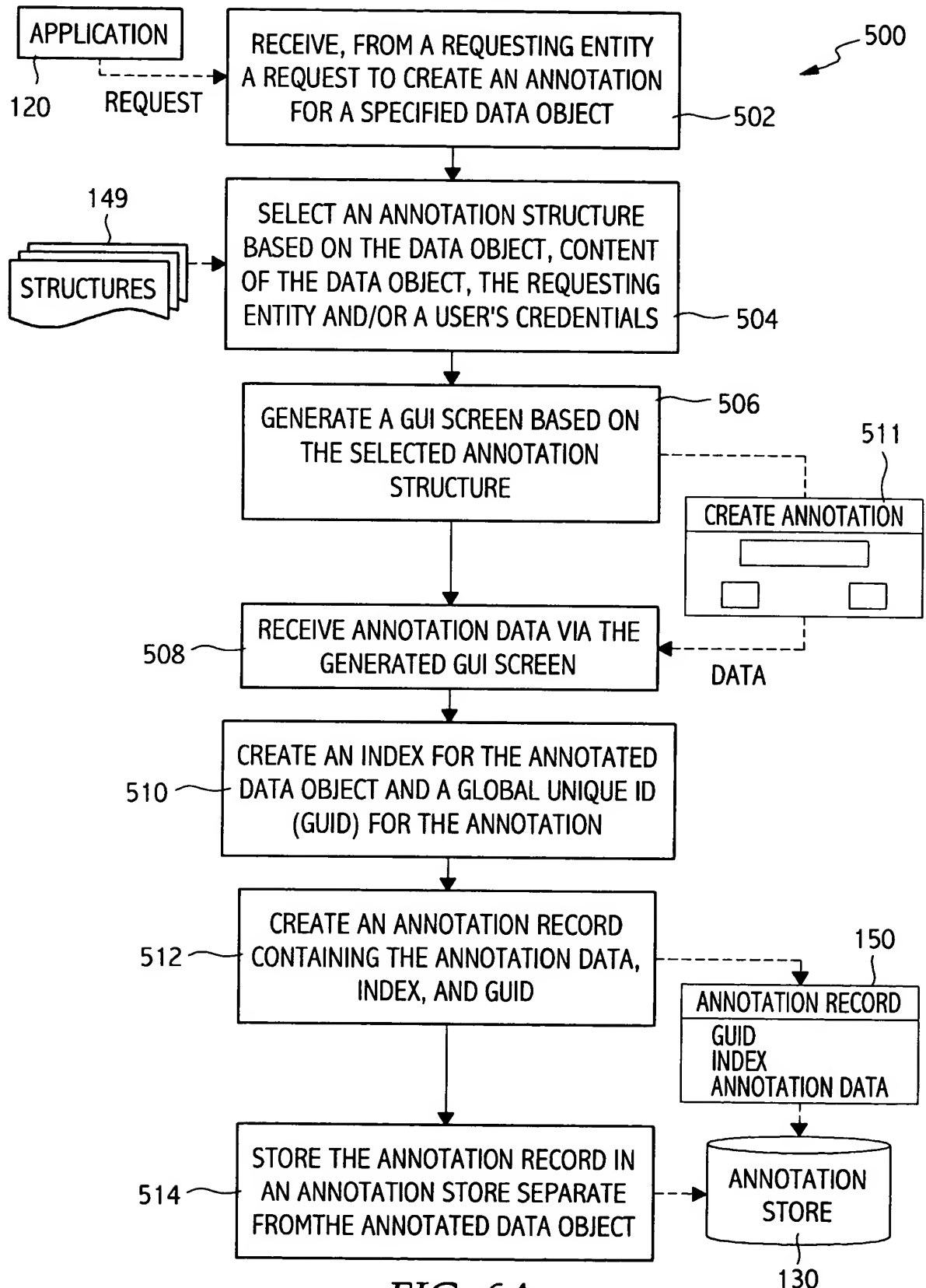


FIG. 6A

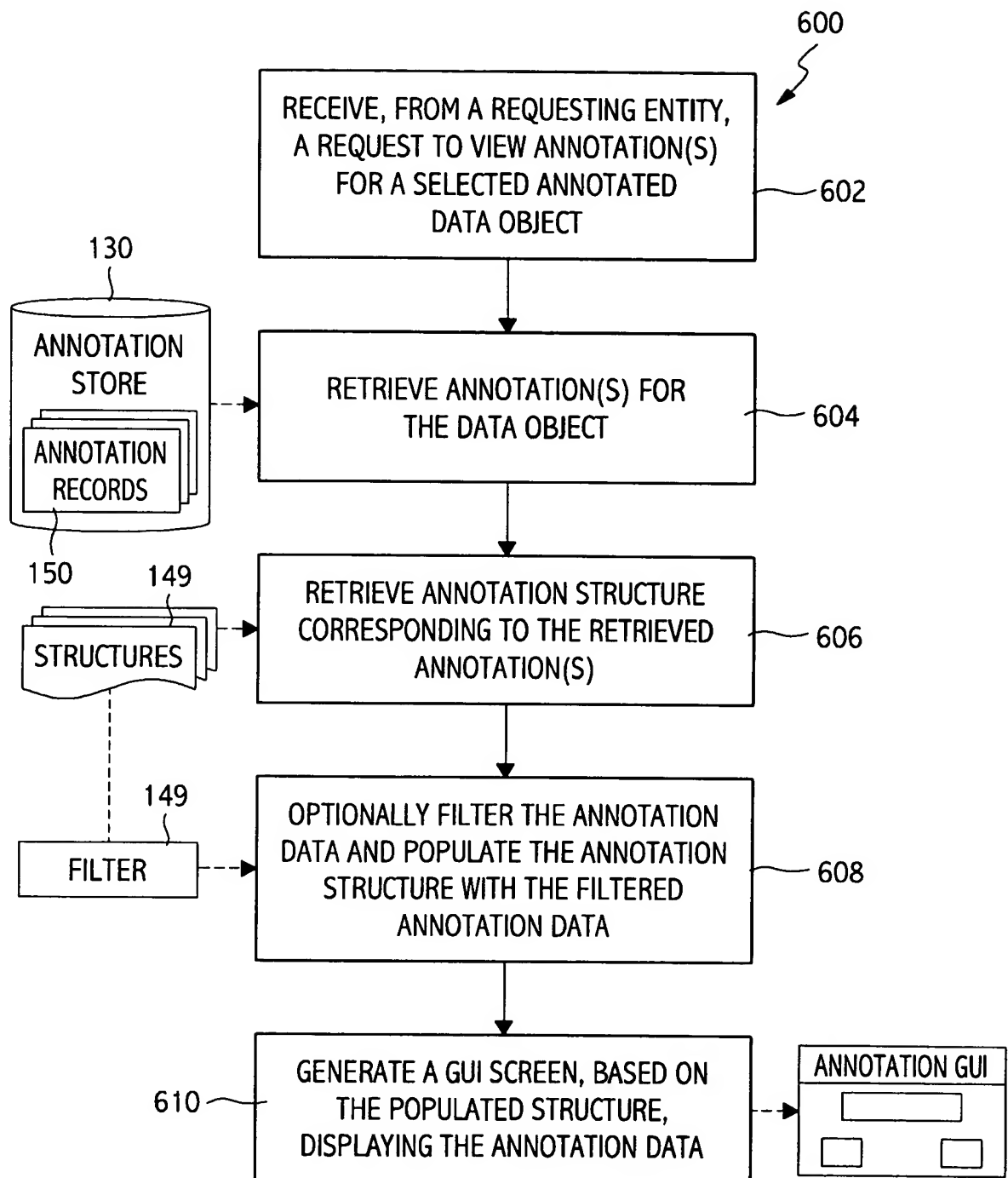


FIG. 6B

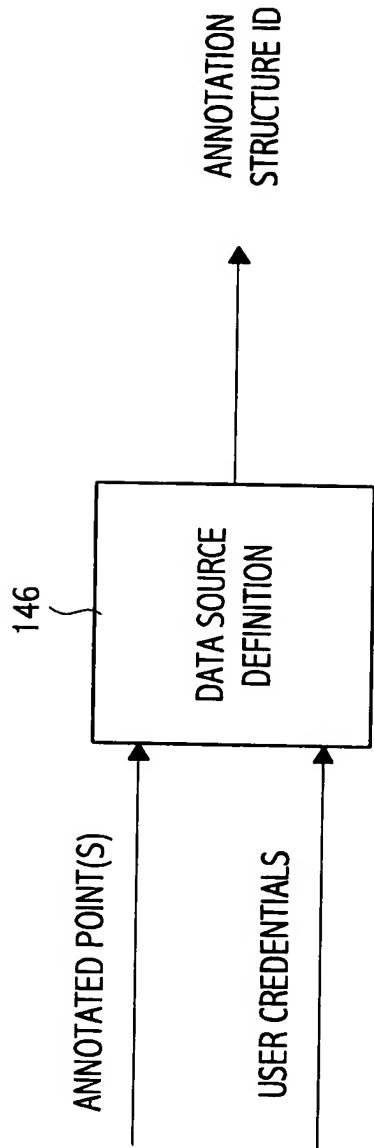


FIG. 7A

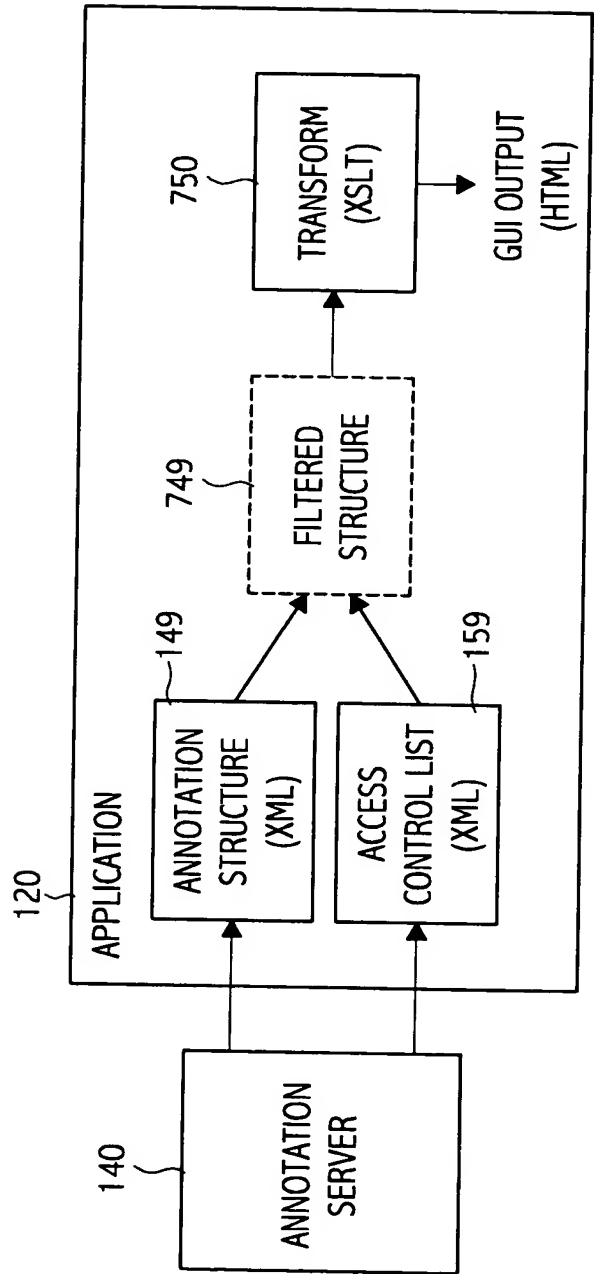


FIG. 7B

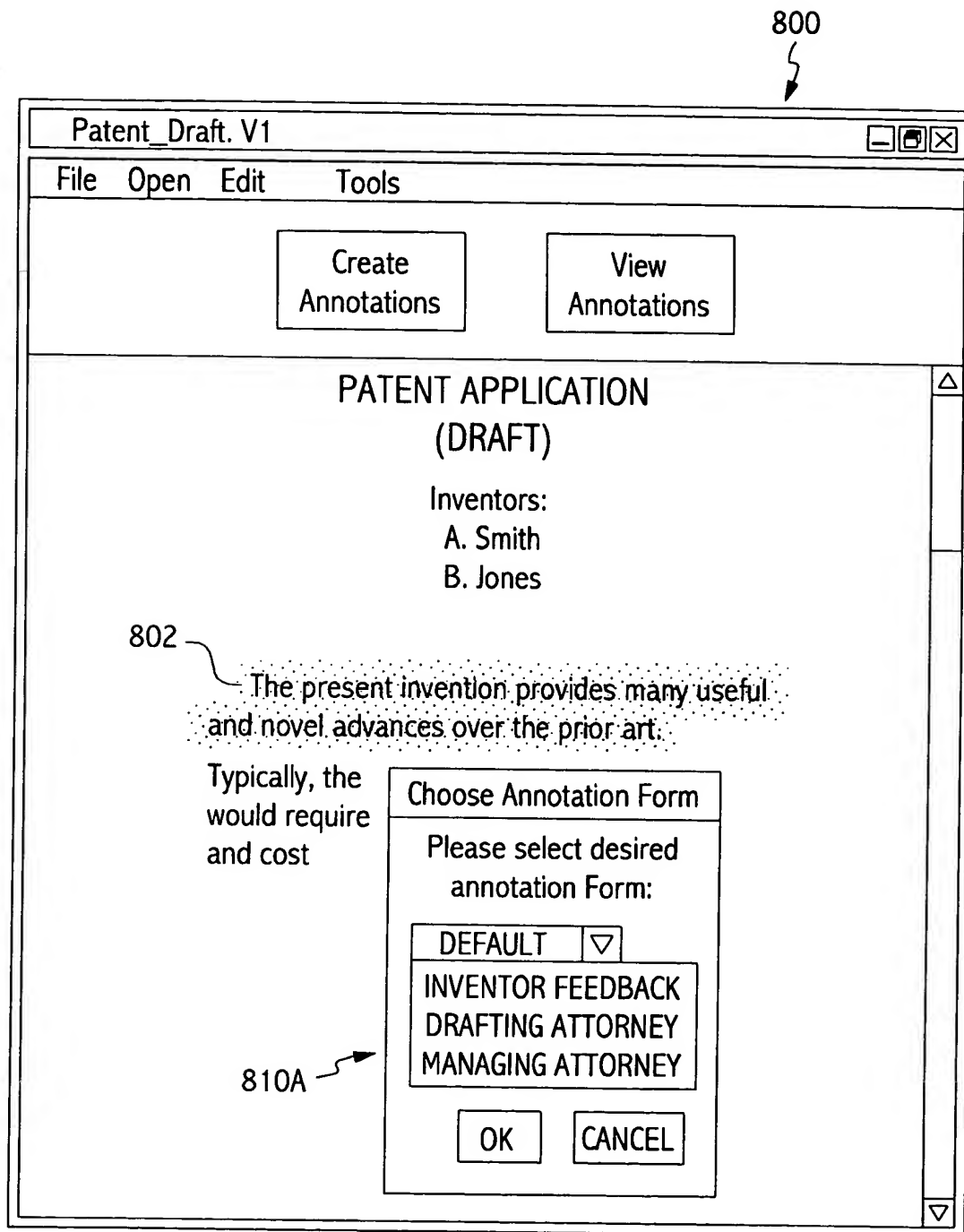


FIG. 8A

Patent_Draft. V1

FORM: DEFAULT

DEFAULT DATA OR DESCRIPTION:

Quality: ☐ Good ☐ Acceptable ☒ Marginal ☐ Poor

Keywords:

Comments:

810B

812B

814B

FIG. 8B

Patent_Draft. V1

FORM: INVENTOR FEEDBACK

DEADLINE 01/01/01

FEEDBACK

Status: ☐ Good ☒ Acceptable ☐ Needs Revision ☐ Needs More Info

Patent Attorney: C. Moore

Inventor: A. Smith

Inventor Comments:

810C

812C

814C

FIG. 8C

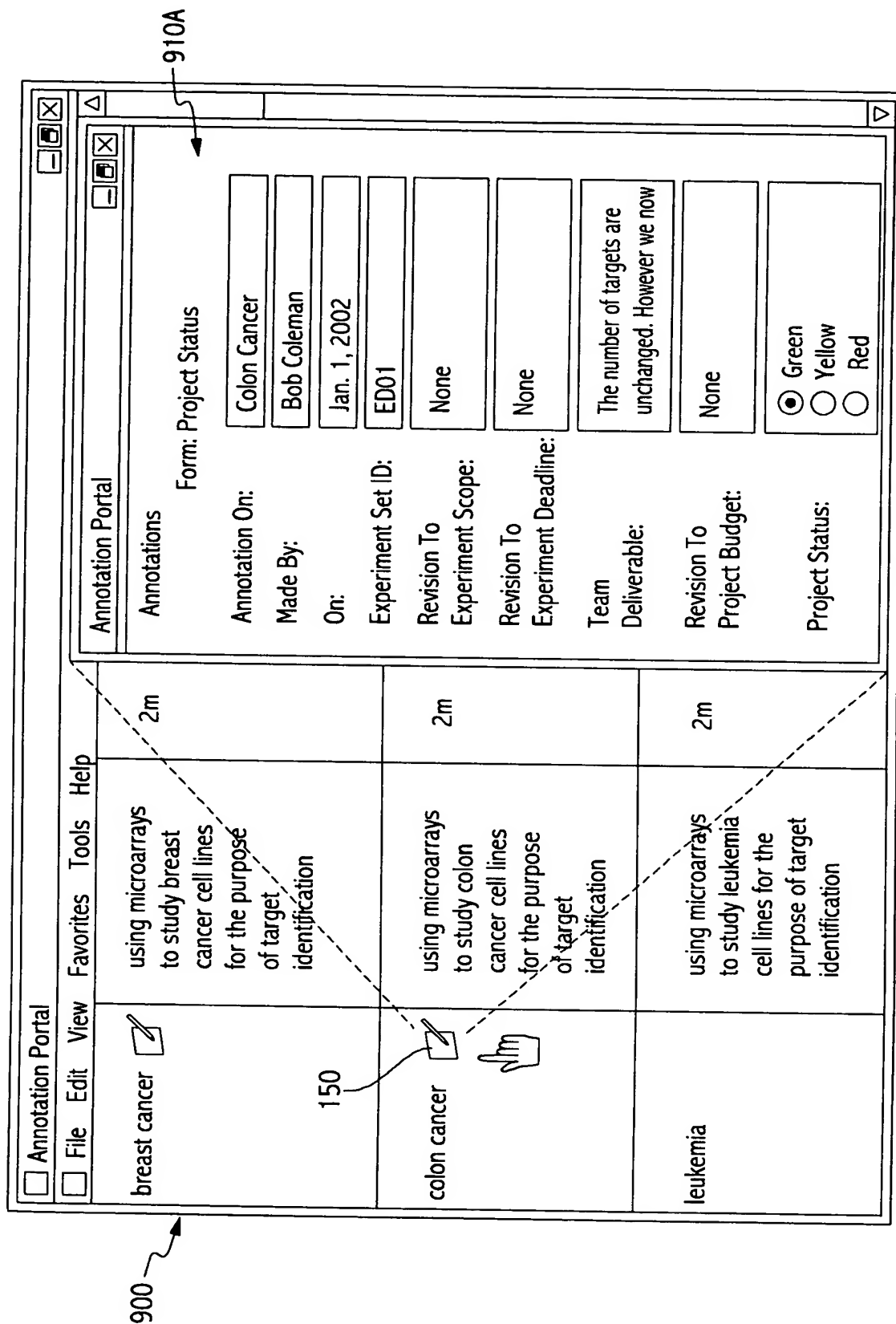


FIG. 9A

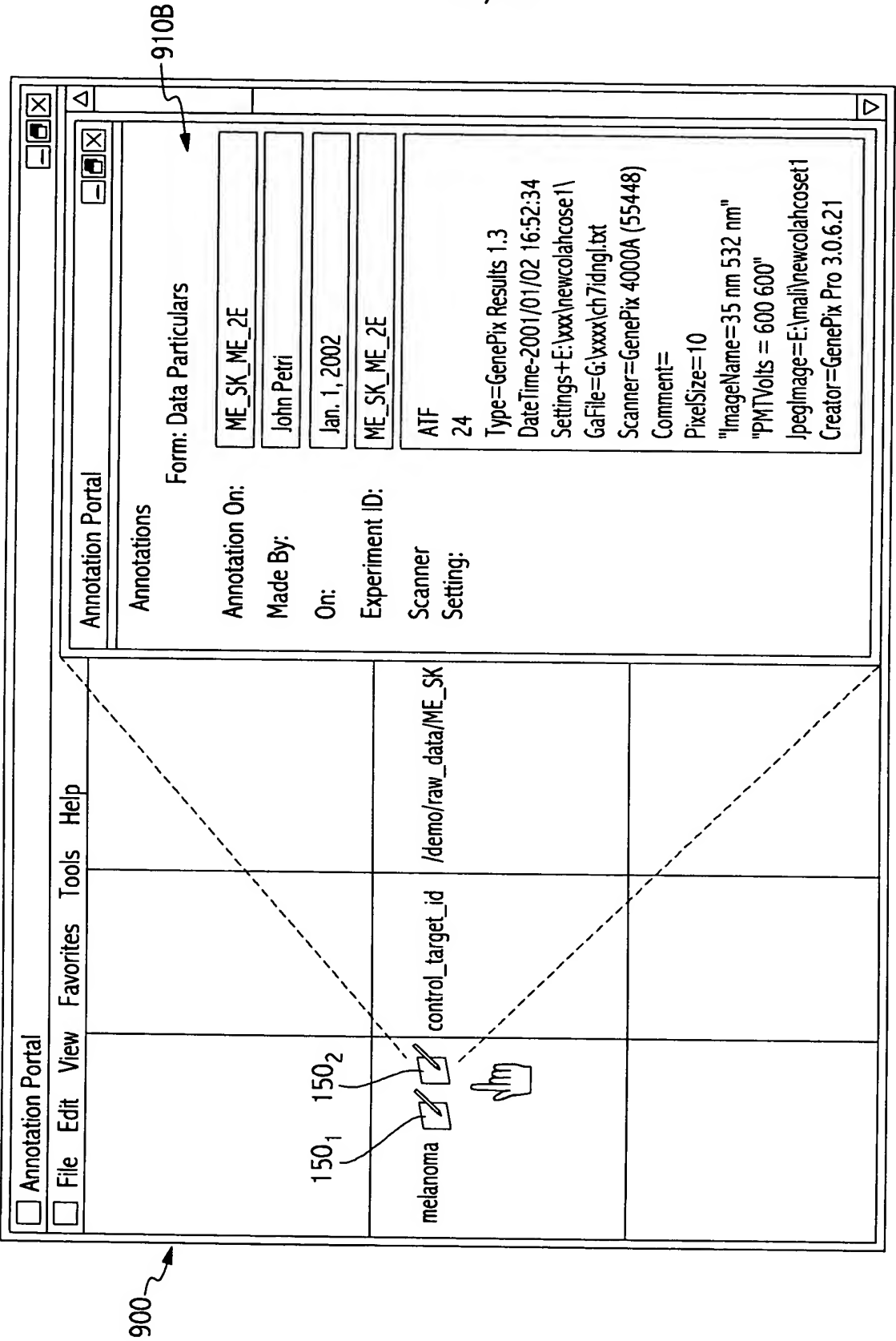


FIG. 9B

Annotation Portal

File Edit View Favorites Tools Help

Home Welcome Annotation Rules

Annotation Browser
User: 1bata
Search: Unnamed

SEARCH CONDITIONS

ACTION	NOT
Delete	<input type="checkbox"/> (PROJECT_NAME = target_identificatio-01)
Delete	<input type="checkbox"/> (Spotfire Row Relevance of Observation = Extremely High)

Add Condition Group Ungroup Apply Reset

OUTPUT

Change Data Change Format

SEARCH

Run Save Show Query Cancel

1040

FIG. 10A

1000

The screenshot displays a software window titled "Annotation Portal" with a standard menu bar (File, Edit, View, Favorites, Tools, Help) and window control buttons. The main content area is divided into several sections: a "Home" dropdown, a "Welcome" message, "Annotation Rules", and an "Annotation Browser" section showing "User: 1bata" and "Search: Unnamed". The primary section is titled "ADD A SEARCH CONDITION". It contains two sub-sections: "SEARCHABLE DATA FIELDS" and "SEARCHABLE ANNOTATION FIELDS". Each sub-section lists categories with radio buttons and corresponding dropdown menus for field selection. In the "SEARCHABLE DATA FIELDS" section, the "Experiment" category is selected, and "EXPT_SET_NAME" is chosen in the dropdown. In the "SEARCHABLE ANNOTATION FIELDS" section, the "Annotation" category is selected, and "Link ID" is chosen in the dropdown. At the bottom of the window are "Next" and "Cancel" buttons. Reference numerals 1000, 1010, and 1020 are used to point to the main window, the "SEARCHABLE DATA FIELDS" section, and the "SEARCHABLE ANNOTATION FIELDS" section, respectively.

☐ Annotation Portal

☐ File Edit View Favorites Tools Help

Home ▾

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

ADD A SEARCH CONDITION

SEARCHABLE DATA FIELDS

☐ Project PROJECT_ID ▾

☐ Column Name PROJECT_ID ▾

☐ Experiment EXPT_SET_NAME ▾

☐ experiment_set EXPT_SET_ID ▾

☐ data_sets PROCESS_ID ▾

SEARCHABLE ANNOTATION FIELDS

☐ Annotation Link ID ▾

☐ Annotation Data GUID ▾

☐ Suggested Analysis Methods Key ▾

☐ Reference Data Key ▾

☐ Keyword Data Key ▾

Next Cancel

FIG. 10B

1000

The screenshot displays the 'Annotation Portal' application window. At the top is a menu bar with 'File', 'Edit', 'View', 'Favorites', 'Tools', and 'Help'. Below the menu bar is a 'Home' button with a dropdown arrow. The main content area is divided into several sections: 'Welcome', 'Annotation Rules', 'Annotation Browser' (showing 'User: 1bata' and 'Search: Unnamed'), and 'ADD A SEARCH CONDITION'. The 'ADD A SEARCH CONDITION' section contains two sub-sections: 'SEARCHABLE DATA FIELDS' and 'SEARCHABLE ANNOTATION FIELDS'. In 'SEARCHABLE DATA FIELDS', there are five radio buttons: 'Project', 'Column Name', 'Experiment', 'experiment_set', and 'data_sets'. Each radio button is paired with a dropdown menu. The 'Project' radio button is selected, and its dropdown menu shows 'PROJECT_ID'. In 'SEARCHABLE ANNOTATION FIELDS', there are five radio buttons: 'Annotation', 'Annotation Data', 'Suggested Analysis Methods', 'Reference Data', and 'Keyword Data'. The 'Annotation Data' radio button is selected, and its dropdown menu shows 'GUID'. Below the 'Annotation Data' dropdown is a list box containing several items: 'Describe Gene', 'Functional Theme in Cluster', 'Spotfire Row Relevance of Observation' (highlighted), 'Spotfire Row Comments', 'Observation', and 'Spotfire Row Relevance of Observation'. At the bottom of the window are 'Next' and 'Cancel' buttons. Arrows point from labels 1010, 1020, and 1030 to the 'EXPT_SET_NAME' dropdown, the 'Annotation Data' dropdown, and the list box respectively.

Annotation Portal

File Edit View Favorites Tools Help

Home

Welcome

Annotation Rules

Annotation Browser

User: 1bata

Search: Unnamed

ADD A SEARCH CONDITION

SEARCHABLE DATA FIELDS

☐ Project PROJECT_ID

☐ Column Name PROJECT_ID

☐ Experiment EXPT_SET_NAME

☐ experiment_set EXPT_SET_ID

☐ data_sets PROCESS_ID

SEARCHABLE ANNOTATION FIELDS

☐ Annotation Link ID

☒ Annotation Data GUID

☐ Suggested Analysis Methods

☐ Reference Data

☐ Keyword Data

Describe Gene

Functional Theme in Cluster

Spotfire Row Relevance of Observation

Spotfire Row Comments

Observation

Spotfire Row Relevance of Observation

Next Cancel

FIG. 10C